

APNIC 35
CONFERENCE

SINGAPORE
25 February - 1 March 2013

APNIC Training Updates

APNIC 35 – Singapore

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Training Objectives

- Expand the capabilities, knowledge, and understanding of Internet networking professionals
- Make full use of Internet resources and effectively apply relevant technologies and best current practices
- Teach participants to proficiently understand and operate their Internet services and infrastructure

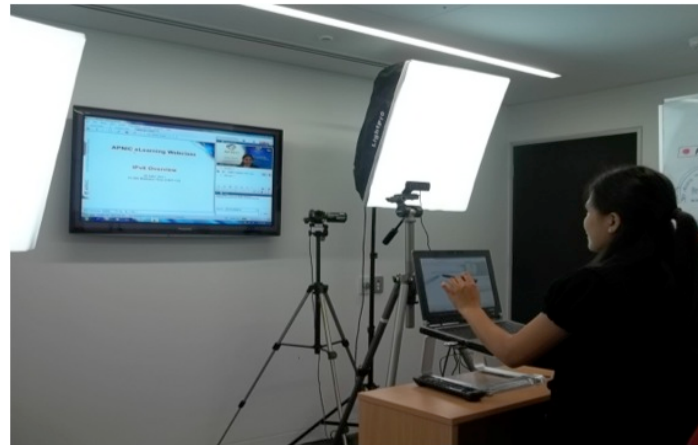


Types of Training Delivery

- Face-to-face



- eLearning



Face-to-Face Training Delivery

- Courses are conducted on site in our Member economies in a “classroom-based” environment
 - Tutorials
 - Includes presentations, demos, and short exercises where applicable
 - Duration: 1-2 days
 - Workshops
 - Includes Tutorials and hands-on practical exercises ranging from intermediate to advanced topics
 - Duration: 3-5 days
- Subsidized fee structure

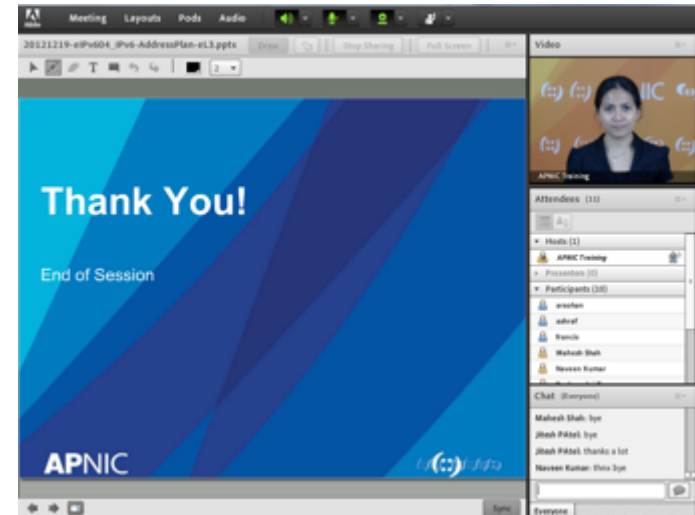


eLearning

- Online web classes for the Internet community across the Asia Pacific
- Classes in 3 time zones:
 - 10:30 (UTC +10) – Pacific and Oceania
 - 12:30 (UTC +10) – Southeast Asia
 - 14:30 (UTC +10) – South Asia
 - *But you can join any session regardless of your location!*
- Topics on offer are classified into:
 - IPv6
 - Routing
 - Network Security
 - Internet Resource Management

eLearning Training Delivery Format

- **FREE** eLearning web classes delivered remotely
- Priority is given to APNIC Members
- Up to 50 participants per class
- Broadcast from the APNIC media room
- Duration: 1-hour format
- 3 sessions per day (weekly)
- Participants can access from their browser or mobile device



eLearning Courses

IRM

Internet Registry Policies (eIRM01)

Requesting IP Addresses (eIRM02)

Best Practices in Managing Resources (eIRM03)

Managing Info in the WHOIS DB (eIRM04)

Intro to AS Numbers (eIRM05)

Using MyAPNIC (eIRM06)

Whois DB and MyAPNIC (eIRM07)

4-Byte ASNs (eIRM08)

IPv6

IPv6 Overview (eIPv601)

IPv6 Addressing and Subnetting (eIPv602)

IPv4 to IPv6 Transition (eIPv603)

IPv6 Address Planning (eIPv604)

DNS

DNS Concepts (eDNS01)

Reverse DNS Procedures (eDNS02)

DNS Security (eDNS03)

Routing

Routing Basics (eROUTING01)

OSPF Basics (eROUTING02)

BGP Basics (eROUTING03)

Security

Network Security Fundamentals (eSEC01)

Learning Cryptography (eSEC02)

IPSec (eSEC03)

eLearning in 2013 – What's New?

- Now offering weekly
- 21 topics on offer including two new courses:
 - Learning Cryptography
 - IPSec
- **IPv6 eLearning Day** – every first Wednesday of the month; all 3 topics will focus on IPv6
- **IRM eLearning Day** – every fourth Wednesday, we will discuss Internet resources and its management

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

training.apnic.net/elearning

Customized On-Demand Training and Engineering Assistance

- Provided to cover the training and operational needs of a particular organization
- Customized modular content based on the APNIC training scope
- All the associated costs to be covered by the training or engineering assistance requestor
- Cost-recovery business model
- Pilot training has been a success



Training Resources - Lab Infrastructure

- Facilitate the Training team to conduct advanced technical workshops to the APNIC community
- Adding more value to our training courses
- Allows an available environment for other test scenarios
 - Network operations, infrastructure, and any other new services



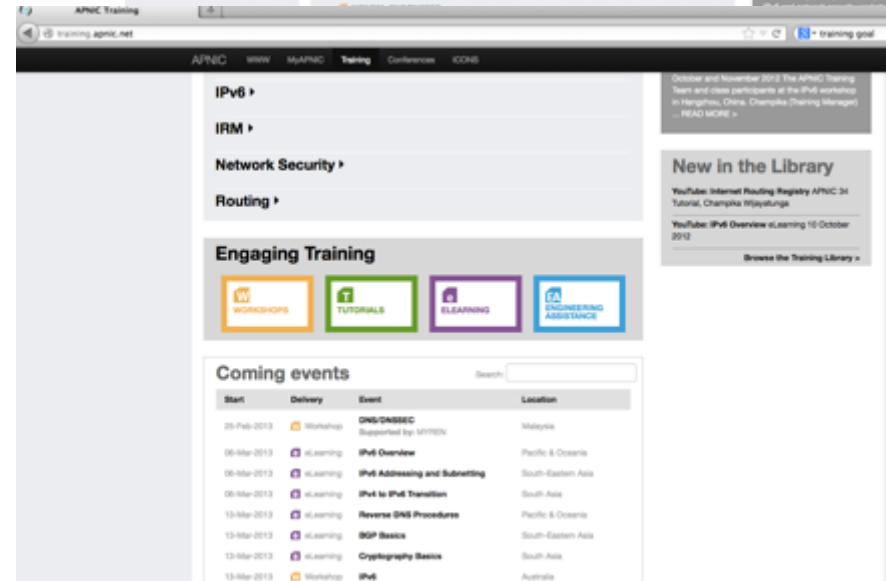
Training Resources – Lab Infrastructure

- Various lab topologies (both physical and virtual lab)
 - ISP Topology
 - Transport core
 - Multiple regions
 - POPs
 - Customer Access Network
 - Upstream connections
 - Tunnels
 - IXP Topology
 - Peering



New Training Website

- **training.apnic.net**
- Features
 - Ease of navigation (fewer clicks)
 - Content organization
 - Will be integrated with the new Events System
 - Running on v4 and v6
- Continuous improvement



Face-to-Face Statistics in 2012

- 73 training course conducted
- 33 cities
- 25 economies
- 2347 engineers have been trained
- 9% increase in training courses
- 30% increase in training participants
- 9% increase in training coverage

eLearning Statistics in 2012

- 19 courses offered
- 93 sessions completed
- 932 participants attended
- 22% increase in sessions
- 19% increase in participants
- 5 new topics introduced last year
 - IPv6 Address Planning
 - DNS Security (DNSSEC)
 - OSPF Basics
 - BGP Basics
 - Four-byte ASNs

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Thank You

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